# Introduction to the

## Memory and Clock Expansion Cartridge

# Table of Contents

About the A501 ..... 1
The RAM Expansion Module ..... 1
The Clock ..... 1
How to Install the A501 ..... 2

COPYRIGHT

This manual Copyright © 1987 Commodore-Amiga, Inc., All Rights Reserved. This document may not, in whole or in part, be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine readable form, without prior consent, in writing, from Commodore-Amiga Inc.

Amiga is a registered trademark of Commodore-Amiga, Inc.

WARNING: This equipment has been certified to comply with the limits for a Class B computing device, pursuant to subpart J of Part 15 of FCC rules. Only peripherals (computer input/output devices, terminals, printers, etc.) certified to comply with the Class B limits may be attached to this computer. Operation with non-certified peripherals is likely to result in interference to radio and TV reception.

# ABOUT THE A501

The Amiga 501 is a combination RAM expansion module and battery backed-up real time clock.

# THE RAM EXPANSION MODULE

The RAM expansion module increases the memory of your Amiga 500 by 512 Kilobytes, for a total of 1 Megabyte.

This additional memory allows running more programs simultaneously, creating larger spreadsheets and documents, or keeping frequently accessed files in RAM memory to avoid having to swap files to disk.

You may find that a very few programs do not run correctly with expansion memory installed. In this case, either contact the program developer to possibly obtain a corrected revision, or use the NOFASTMEM utility on Workbench to prevent expansion memory from being used temporarily.

# THE CLOCK

The clock maintains the date and time for up to 3 months even when the Amiga is turned OFF.

The clock has an internal rechargeable battery that may not be fully charged when it is first installed. To charge it for the first time, after installation, leave your Amiga ON for approximately 12 hours. The battery will then be fully charged.

See the *Introduction to the Amiga 500,* Chapter 7, Setting the Real Time Clock for instructions on how to set the clock.

**NOTE:** This battery does not provide back-up power to the memory circuits; you will still lose anything in memory when you turn your Amiga OFF.

# HOW TO INSTALL THE AMIGA 501

1. Turn the Amiga OFF and disconnect the power supply.

**WARNING:** Installing the A501 with the Amiga ON may cause possible damage to the A501 and/or computer. This will void the warranty on your Amiga.

2. Place the Amiga on a flat surface with the keyboard facing down.

3. Insert a small screwdriver into the slot to open the A501 access door in the center of the A500.

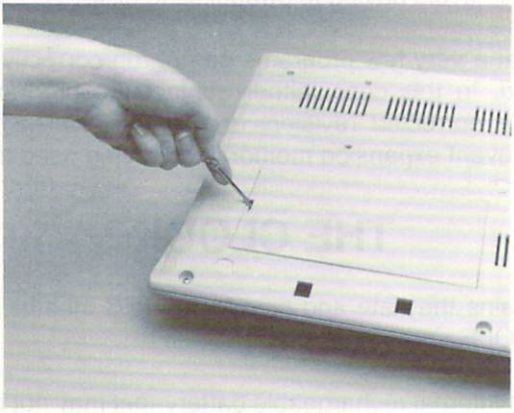

Figure 1

4. Remove the A501 access door.

5. Place the A501 into the opening so that the A501's connector lines up with the pins on the right hand side of the opening.

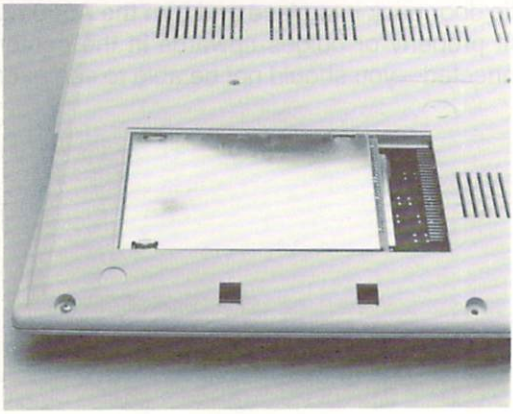

Figure 2

6. Slide the A501 to the right while pushing it towards the back ledge.

**WARNING:** Do not force A501 in place. It should fit in place with just a firm push. If it does not, check that all the pins in the A500 are straight and that each pin inside the Amiga is lined up with a hole in the A501. Then try again.

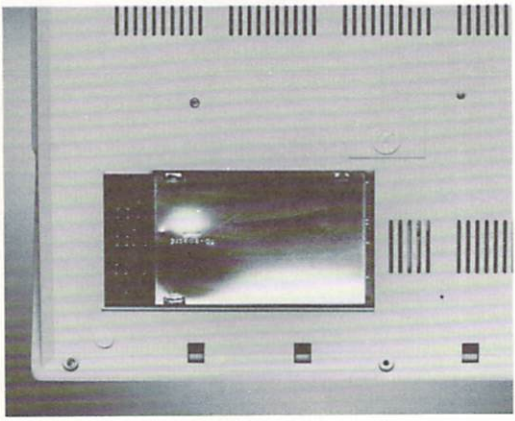

Figure 3

7. Put the plastic door back into place and turn the A500 right side up. If the door does not fit properly or bulges upwards in the center, check that the A501 is fully connected—you should not be able to see even the base of the A500 pins.